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Dawid Kurzyniec, Tomasz Wrzosek, Vaidy Sunderam, Aleksander Slominsk

November 2002 **JGI '02:** Proceedings of the 2002 joint ACM-ISCOPE confer

Publisher: ACM

Full text available: Pdf (38.11 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 47, Citation

Remote Method Invocation is an adaptation of the remote procedure cal environments. RMI allows clients to seamlessly invoke methods of objec Communication between the client and server is based upon ...

Keywords: Java, RMI, RPC, communication protocols

2 Generating efficient protocol code from an abstract specification

Walid Dabbous, Sean O'Malley, Claude Castelluccia

August 1996 **SIGCOMM '96:** Conference proceedings on Applications, techr protocols for computer communications

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Full text available: Pdf (293.87 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 17, Citation

A protocol compiler takes as input an abstract specification of a protoco implementation of that protocol. Protocol compilers usually produce inef code speed and code size. In this paper, we show that the ...

Also published in:

October 1996 **SIGCOMM Computer Communication Review** Volume 26 Issue

3 Secure two-party k-means clustering

Paul Bunn, Rafail Ostrovsky

October 2007 **CCS '07:** Proceedings of the 14th ACM conference on Comput

Publisher: ACM Request Permissions

Full text available: Pdf (464.30 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 224, Citatic

The k-Means Clustering problem is one of the most-explored problems i advent of protocols that have proven to be successful in performing *sin*

focus has shifted in recent years to the question ...

Keywords: k-means clustering, secure multiparty computation

4 Interpreted collaboration protocols and their use in groupware prototy

Richard Furuta, P. David Stotts

October 1994 **CSCW '94:** Proceedings of the 1994 ACM conference on Com work

Publisher: ACM Request Permissions

Full text available: Pdf (1.18 MB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 7, Citation C

The correct and timely creation of systems for coordination of group wo express, analyze, and experiment with protocols for managing multiple evolution of the Trellis model that provides a formal ...

Keywords: Trellis, colored Petri net, coordination structure, dynamic pr moderated meeting, process-based hypertext/hypermedia

5 De-layered grid storage server

H. Shrikumar

July 2005 **SIGBED Review** , Volume 2 Issue 3

Publisher: ACM

Full text available: Pdf (750.59 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 19, Citation

Networks have become faster and disks have become fatter at a pace th developments have simply not been been able to keep up with. We pres is capable of scaling up to meet the "terabit-terabyte" ...

6 Runtime optimizations for a Java DSM implementation

R. Veldema, R. F. H. Hofman, R. A. F. Bhoedjang, H. E. Bal

June 2001 **JGI '01:** Proceedings of the 2001 joint ACM-ISCOPE conferenc

Publisher: ACM

Full text available: Pdf (740.71 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 20, Citation

Jackal is a fine-grained distributed shared memory implementation of th Jackal implements Java's memory model and allows multithreaded Java distributed-memory systems. This paper focuses on Jackal's ...

7 Multiplex: unifying conventional and speculative thread-level parallel

Chong-Liang Ooi, Seon Wook Kim, Il Park, Rudolf Eigenmann, Babak Falsa

June 2001 **ICS '01:** Proceedings of the 15th international conference on S

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Full text available: Pdf (155.15 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 29, Citation

Recent proposals for Chip Multiprocessors (CMPs) advocate speculative, the hardware employs prediction to peel off instruction sequences (i.e., sequential execution stream and speculatively executes ...

8 Extending hardware based mandatory access controls for memory t

Brian L. Sharp, Gregory D. Peterson, Lok Kwong Yan

May 2008 **CSIIRW '08:** Proceedings of the 4th annual workshop on Cybe intelligence research: developing strategies to meet the cyber s intelligence challenges ahead

Publisher: ACM

Full text available: Pdf (31.86 KB) Additional Information: full citation, appendic references, index term

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 170, Citatic

Current memory architectures do not practice the principle of least privi of memory to data corruption and usurpation threats, collectively called most famous of such threats is probably the buffer ...

Keywords: data corruption, data usurpation, hardware, mandatory acc type safety

9 Aggressive snoop reduction for synchronized producer-consumer co efficient embedded multi-processors

Chenjie Yu, Peter Peter Petrov

September 2007 **CODES+ISSS '07:** Proceedings of the 5th IEEE/ACM inter Hardware/software codesign and system synthesis

Publisher: ACM

Full text available: Pdf (163.62 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation

Snoop-based cache coherence protocols are typically used when multipl through a common bus. It is well known, however, that these coherenc excessive power overhead.To help alleviate this problem, ...

Keywords: cache coherence, embedded systems, low-power multiproc

10 Hierarchical coarse-grained stream compilation for software defined

Yuan Lin, Manjunath Kudlur, Scott Mahlke, Trevor Mudge

September 2007 **CASES '07:** Proceedings of the 2007 international conferer and synthesis for embedded systems

Publisher: ACM

Full text available: Pdf (464.76 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 88, Citation

Software Defined Radio (SDR) is an emerging embedded domain where protocols is implemented in software rather than the traditional applicat operation throughput requirements of current third-generation ...

Keywords: MPSoC compilation, dataflow programming model, modulo

radio

11 Practical parallel remote method invocation for the Babel compiler

Kostadin Damevski, Kerning Zhang, Steven Parker

October 2007 **CompFrame '07:** Proceedings of the 2007 symposium on Co technology in high-performance and scientific computing

Publisher: ACM

Full text available: Pdf (312.96 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 21, Citation

Parallel components are types of software components that contain Sing (SPMD) parallel code and are used and defined by the Common Compor component model. Parallel Remote Method Invocation (PRMI) defines ..

Keywords: IDL compiler, parallel remote method invocation

12 Accurate data redistribution cost estimation in software distributed sh

Donald G. Morris, David K. Lowenthal

July 2001 **PPoPP '01:** Proceedings of the eighth ACM SIGPLAN symposiu parallel programming

Publisher: ACM Request Permissions

Full text available: Pdf (270.58 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 26, Citation

Distributing data is one of the key problems in implementing efficient di programs. The problem becomes more difficult in programs where data computational phases is considered. The global data ...

Also published in:

July 2001 **SIGPLAN Notices** Volume 36 Issue 7

13 LCM: memory system support for parallel language implementation

James R. Larus, Brad Richards, Guhan Viswanathan

December 1994 **ASPLOS-VI:** Proceedings of the sixth international confere programming languages and operating systems

Publisher: ACM Request Permissions

Full text available: Pdf (1.27 MB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 20, Citation

Higher-level parallel programming languages can be difficult to impleme machines. This paper shows how a flexible, compiler-controlled memory performance for language constructs that previously appeared ...

Also published in:

November 1994 **SIGPLAN Notices** Volume 29 Issue 11

December 1994 **SIGOPS Operating Systems Review** Volume 28 Issue 5

14 An automatic trace analysis tool generator for Estelle specifications

S. Alan Ezust, Gregor v. Bochmann

October 1995 **SIGCOMM '95:** Proceedings of the conference on Application

and protocols for computer communication
Publisher: ACM Request Permissions
Full text available: Pdf (1.15 MB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 16, Citation

This paper describes the development of Tango, an automatic generato tools for single-process specifications written in the formal description la generated by Tango automatically checks the validity ...

Also published in:
October 1995 **SIGCOMM Computer Communication Review** Volume 25 Issue

15 Parallel computing with x10
PVR Murthy
May 2008 **IWMSE '08:** Proceedings of the 1st international workshop on
Publisher: ACM
Full text available: Pdf (156.53 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 202, Citatic

Many problems require parallel solutions and implementations and how parallelism has been the focus of Research during the last few decades. significant progress in terms of (a)automatically deriving implicit ...

Keywords: X10, atomic blocks, clocks, data distribution, java, multi-th computing(NUCC), partitioned global address space (PGAS), places, sca

16 Communications of the ACM: Volume 52 Issue 6
June 2009 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (6.34 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 2918, Downloads (12 Months): 2918, Ci

17 Efficient software implementation of embedded communication protc asynchronous software thread integration with time- and space-effici
Nagendra J. Kumar, Vasanth Asokan, Siddhartha Shivshankar, Alexander C
February 2007 **Transactions on Embedded Computing Systems (TECS)**
Publisher: ACM Request Permissions
Full text available: Pdf (596.75 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 108, Citatior

The overhead of context switching limits efficient scheduling of multiple uniprocessor when real-time requirements exist. A software-implemente crippled by this problem. The available idle time may ...

Keywords: Asynchronous software thread integration, J1850, fine-grai software migration, software-implemented communication protocol cont

18 Communications of the ACM: Volume 51 Issue 11

November 2008 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (8.26 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 300, Downloads (12 Months): 3093, Cita

19 Asynchronous software thread integration for efficient software
Nagendra J. Kumar, Siddhartha Shivshankar, Alexander G. Dean
July 2004 **LCTES '04:** Proceedings of the 2004 ACM SIGPLAN/SIGBED co compilers, and tools for embedded systems
Publisher: ACM Request Permissions
Full text available: Pdf (229.95 KB) Additional Information: full citation, abstract,

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 49, Citation

The overhead of context-switching limits efficient scheduling of multiple uniprocessor when real-time requirements exist. Existing software threa reduce context switches, but only provide synchronous ...

Keywords: J1850, asynchronous software thread integration, fine-grai software migration, software-implemented communication protocol cont

Also published in:
July 2004 **SIGPLAN Notices** Volume 39 Issue 7

20 Communications of the ACM: Volume 51 Issue 12
December 2008 Communications of the ACM
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